

(19) World Intellectual Property
Organization
International Bureau



534 001

(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/041112 A1

(51) International Patent Classification⁷: **A61C 13/00**

(21) International Application Number:
PCT/CA2002/001677

(22) International Filing Date:
5 November 2002 (05.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **CYNOVAD INC.** [CA/CA]; 9710 Transcanada Highway, Ville St-Laurent, Québec H4S 1V9 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PROVOST, Robin** [—/CA]; 4520 Parthenais Street, Montreal, Québec H2H 2G7 (CA). **PEROT, Jean-Marc** [FR/CA]; 486 Portland Avenue, Mount Royal, Québec H3R 1V7 (CA).

(74) Agent: **OGILVY RENAULT**; Suite 1600, 1981 McGill College Avenue, Montreal, Québec H3A 2Y3 (CA).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

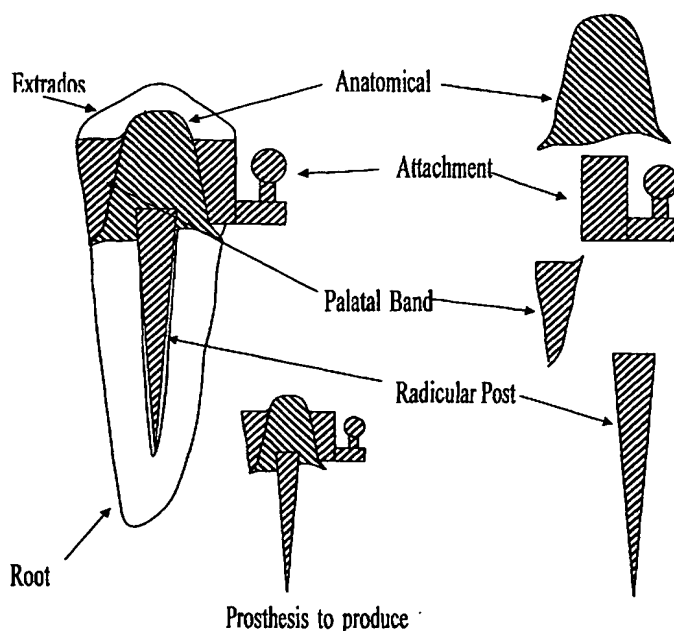
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR DESIGNING A THREE DIMENSIONAL MODEL OF A DENTAL PROSTHESIS



(57) Abstract: A method and system is provided for designing a three dimensional model of a dental prosthesis. Separate components having distinct functions are identified in the prosthesis and designed separately. The components are then juxtaposed spatially to form the dental prosthesis model. Different designing tools are used to design each component separately such that each shape is matched with an editing and designing tool that best suits its particularities.

WO 2004/041112 A1